

Fig. 1

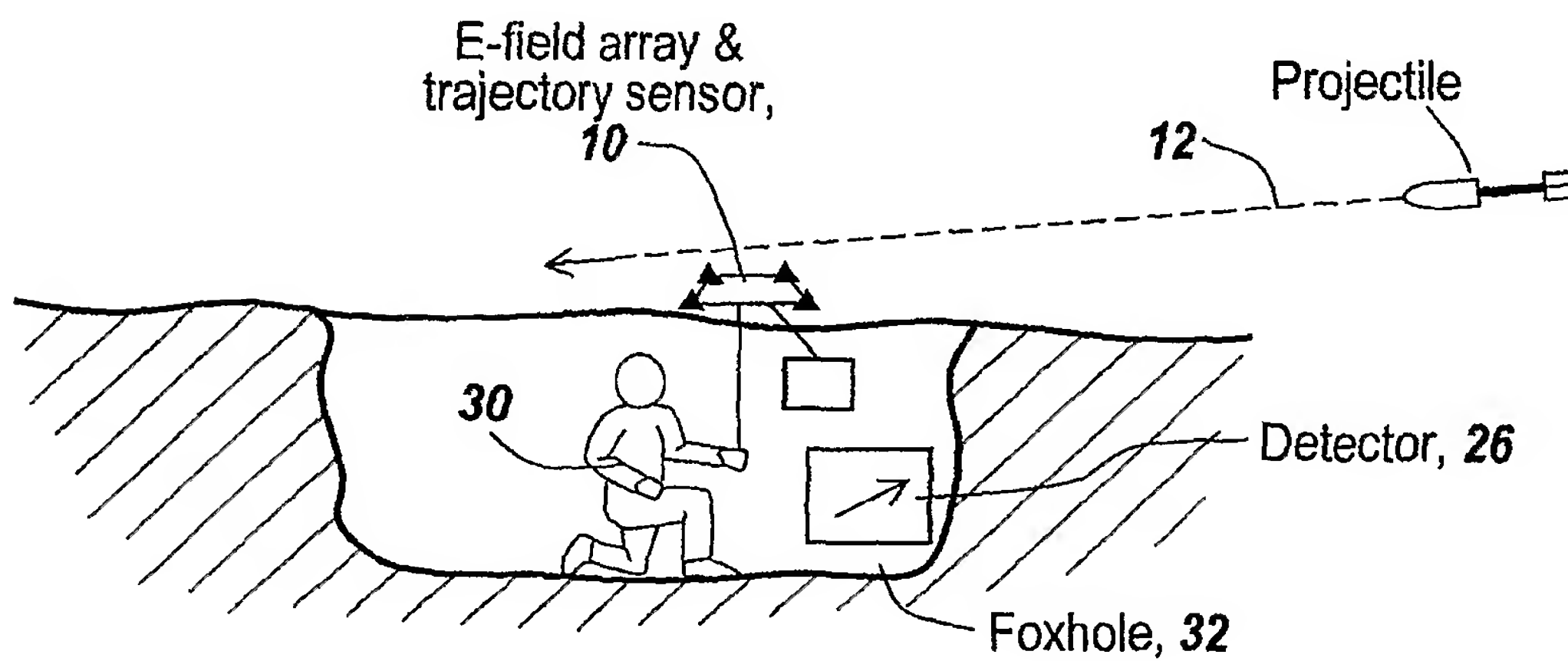


Fig. 2

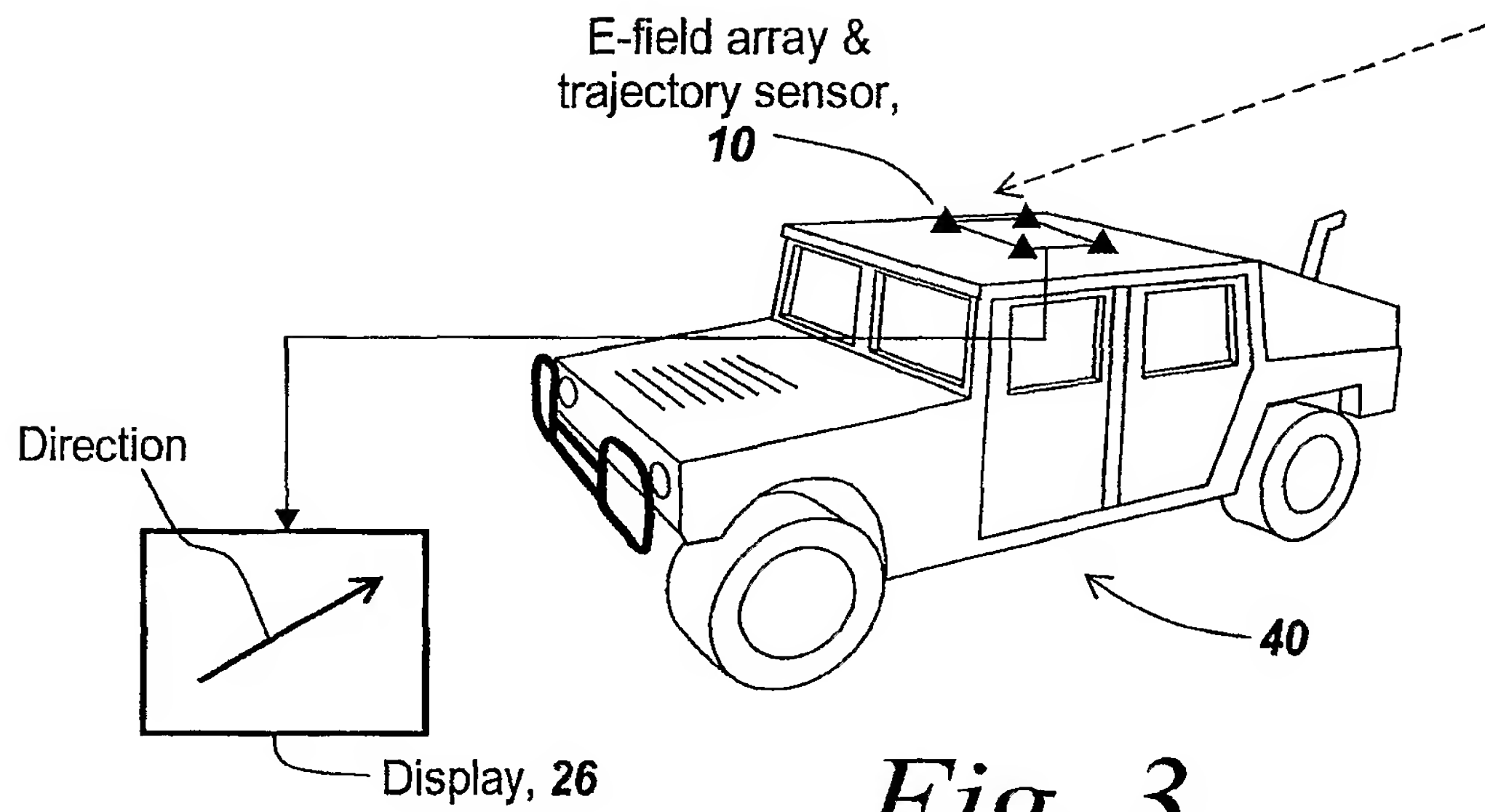


Fig. 3

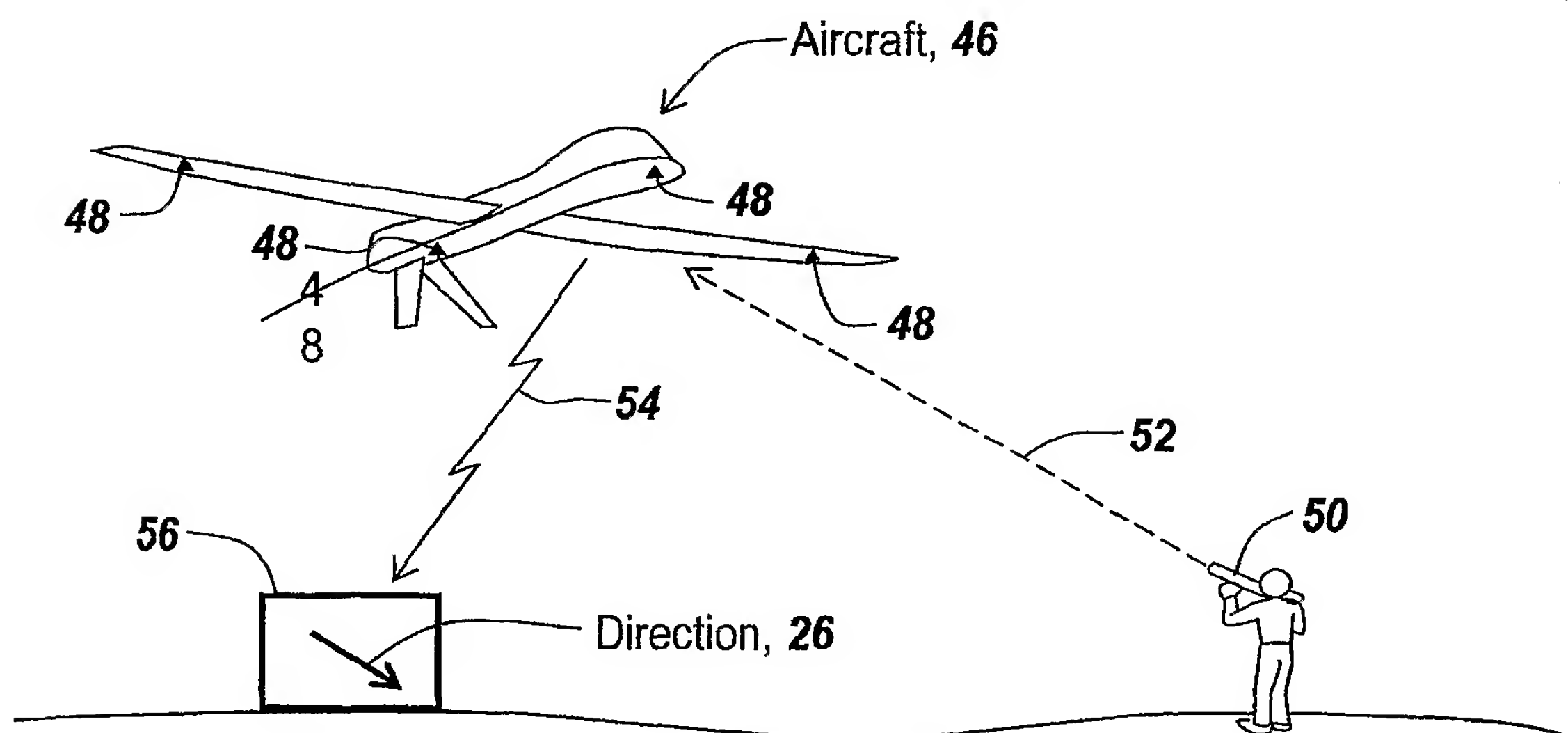


Fig. 4

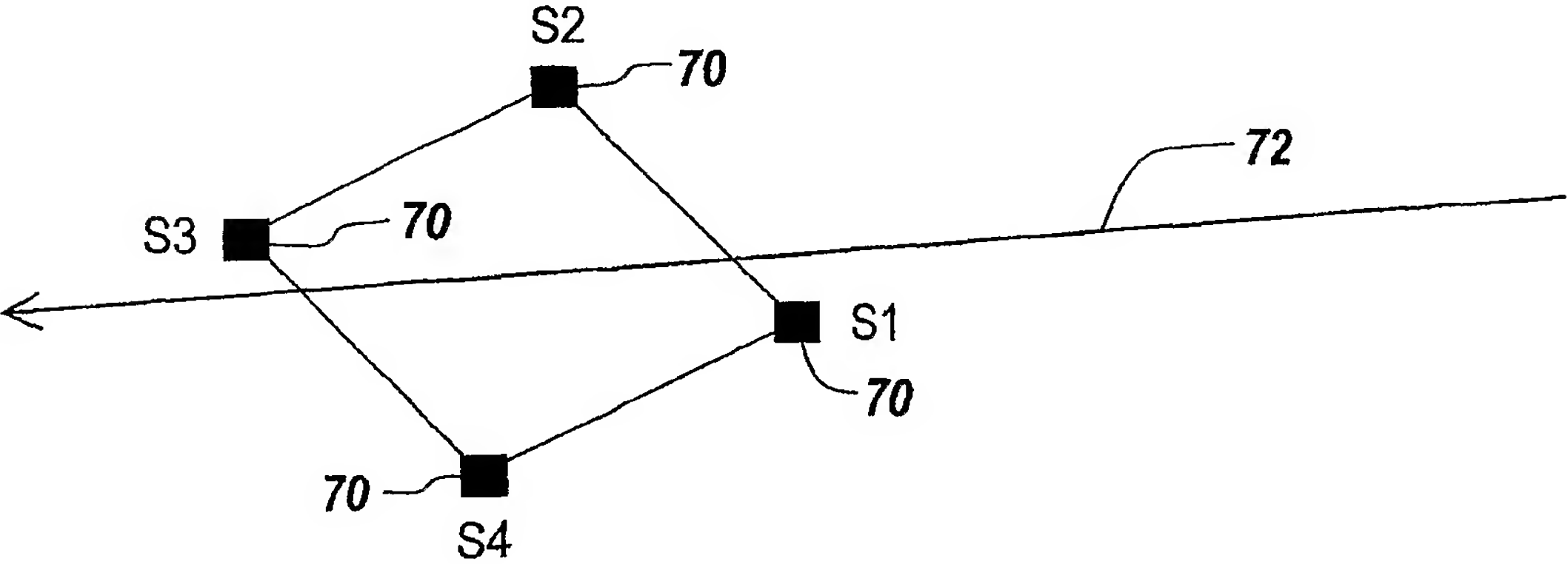
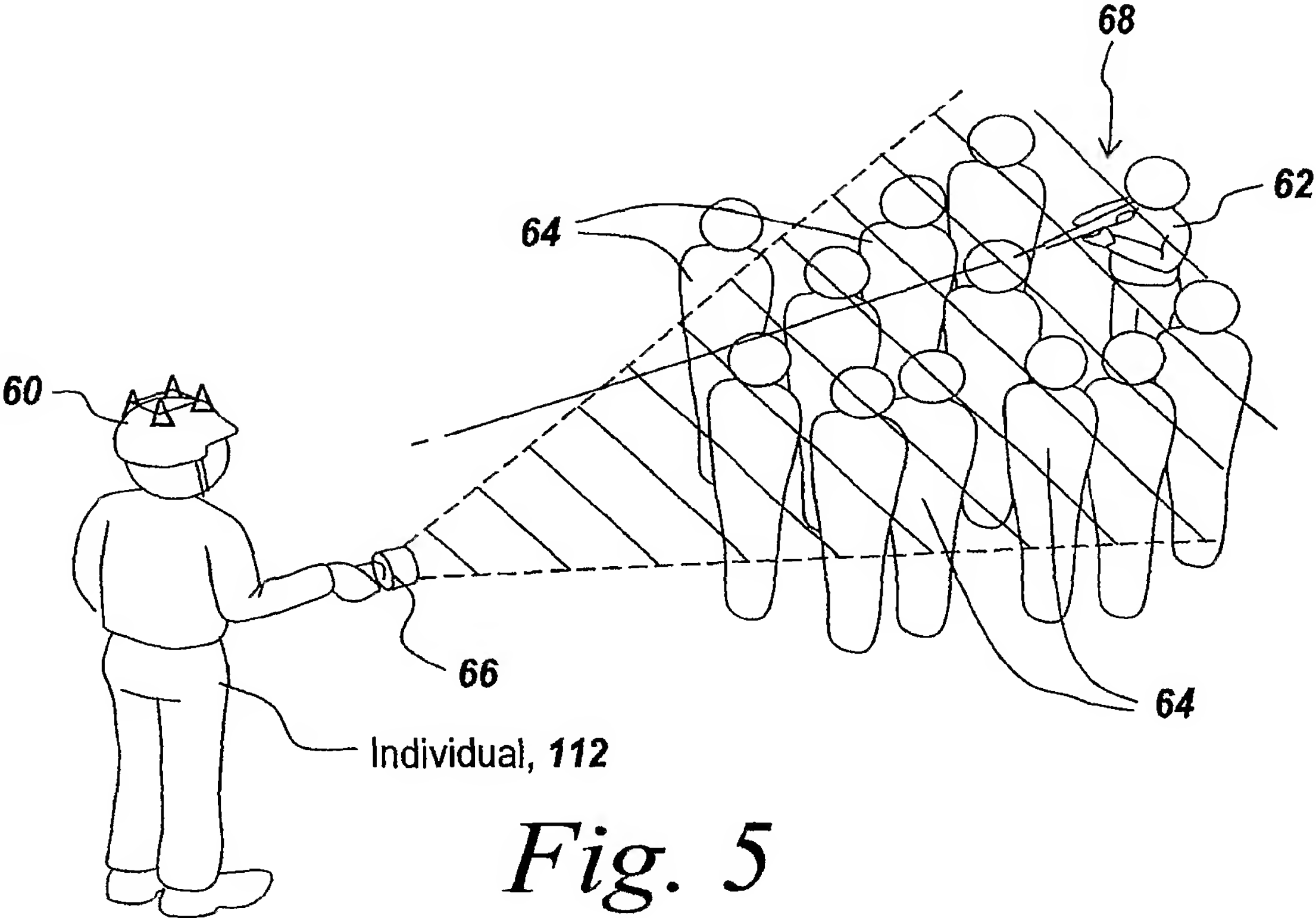
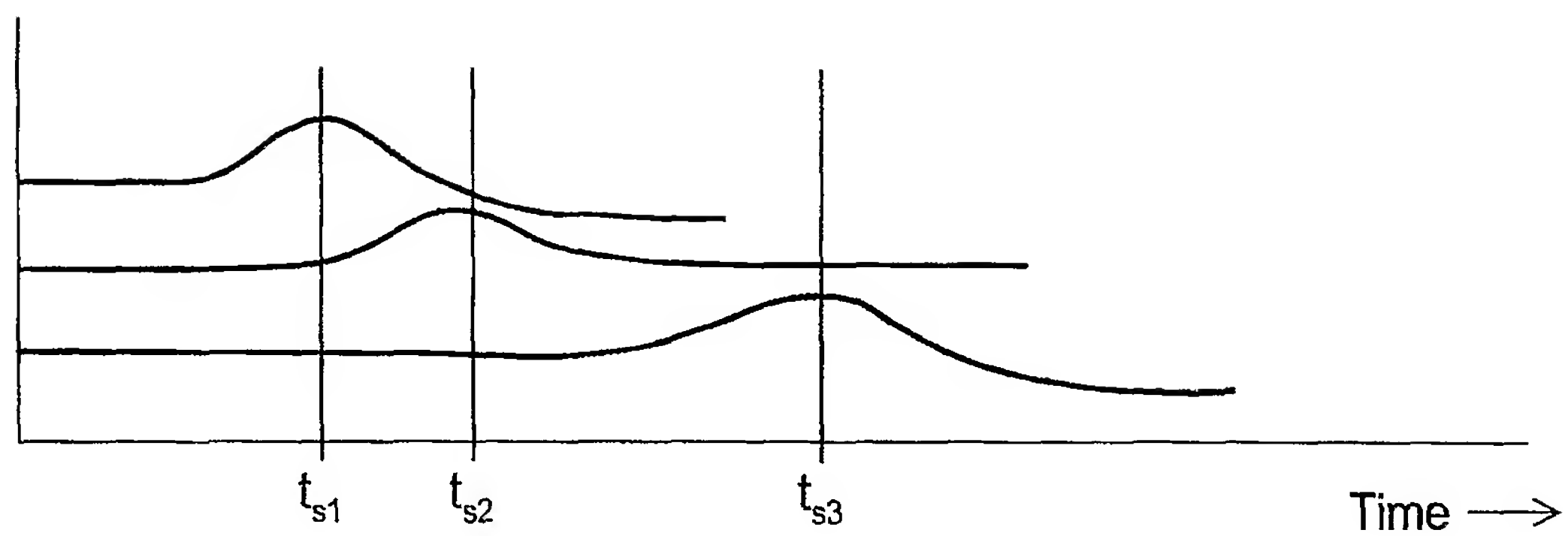
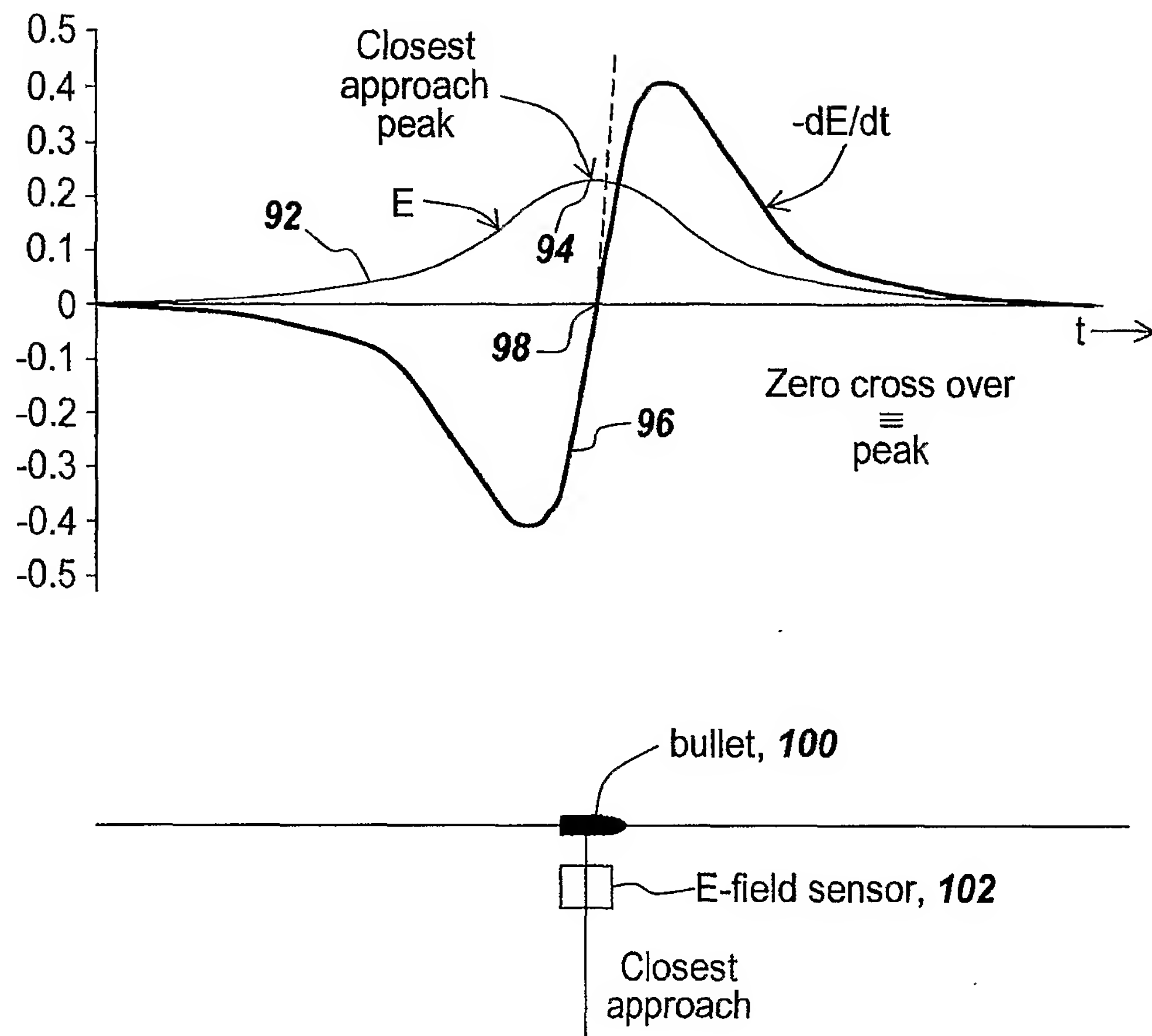


Fig. 6



TDOA t_{s1} t_{s2} $t_{s3} \rightarrow$ Arc 2 Tan \rightarrow bearing (azimuth)

Fig. 7

*Fig. 8*

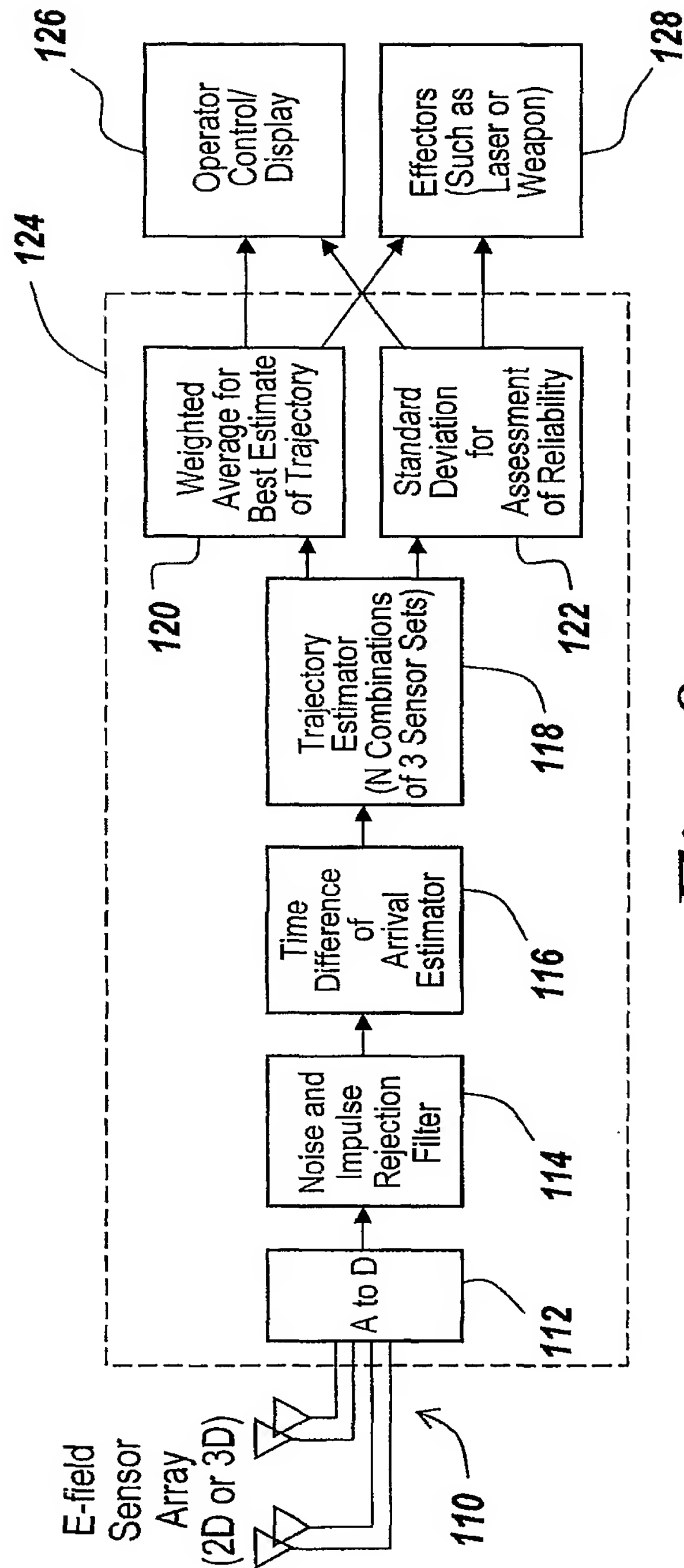


Fig. 9

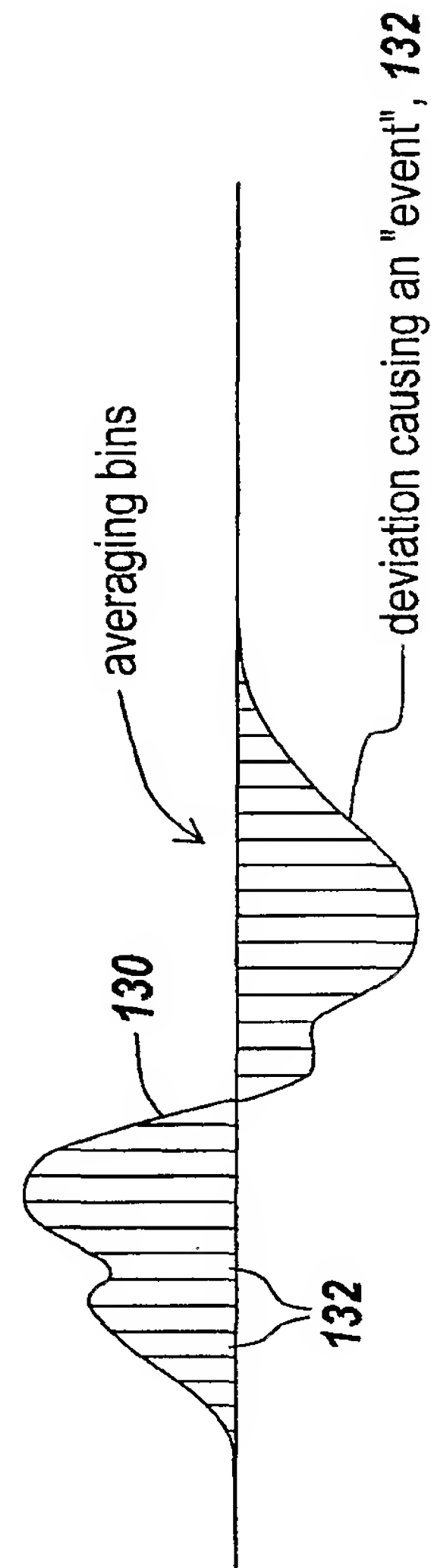


Fig. 10

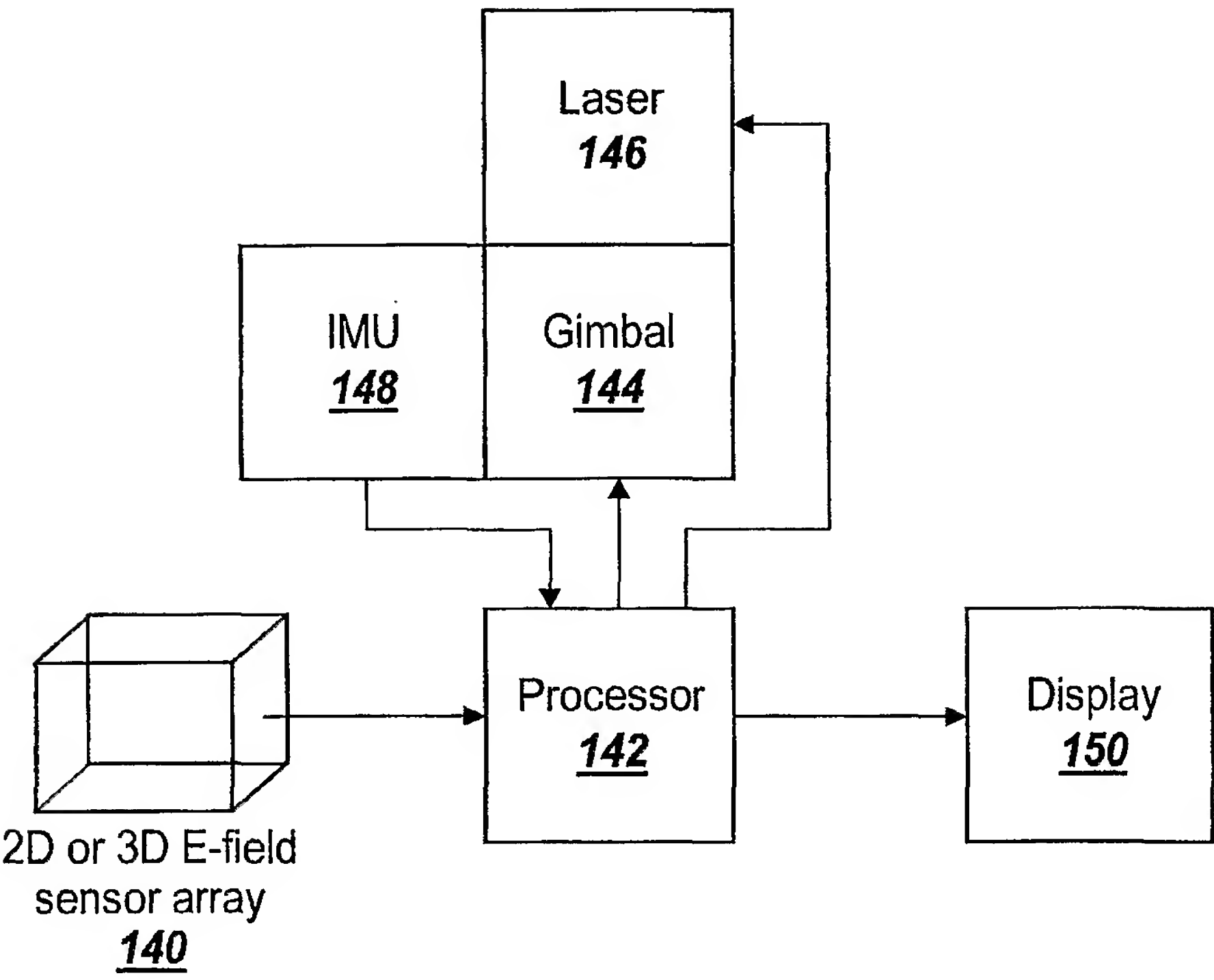


Fig. 11

Detection of .223 (M4) Bullet

•

- Second Generation Sensor
- E-field Signatures travel at the speed of light
- The bullet is traveling at about 2800 ft/sec
- All sensors register the muzzle blast "at the same time"
- Sensors 2, 3 and 4 show "blips" as the bullet passes them

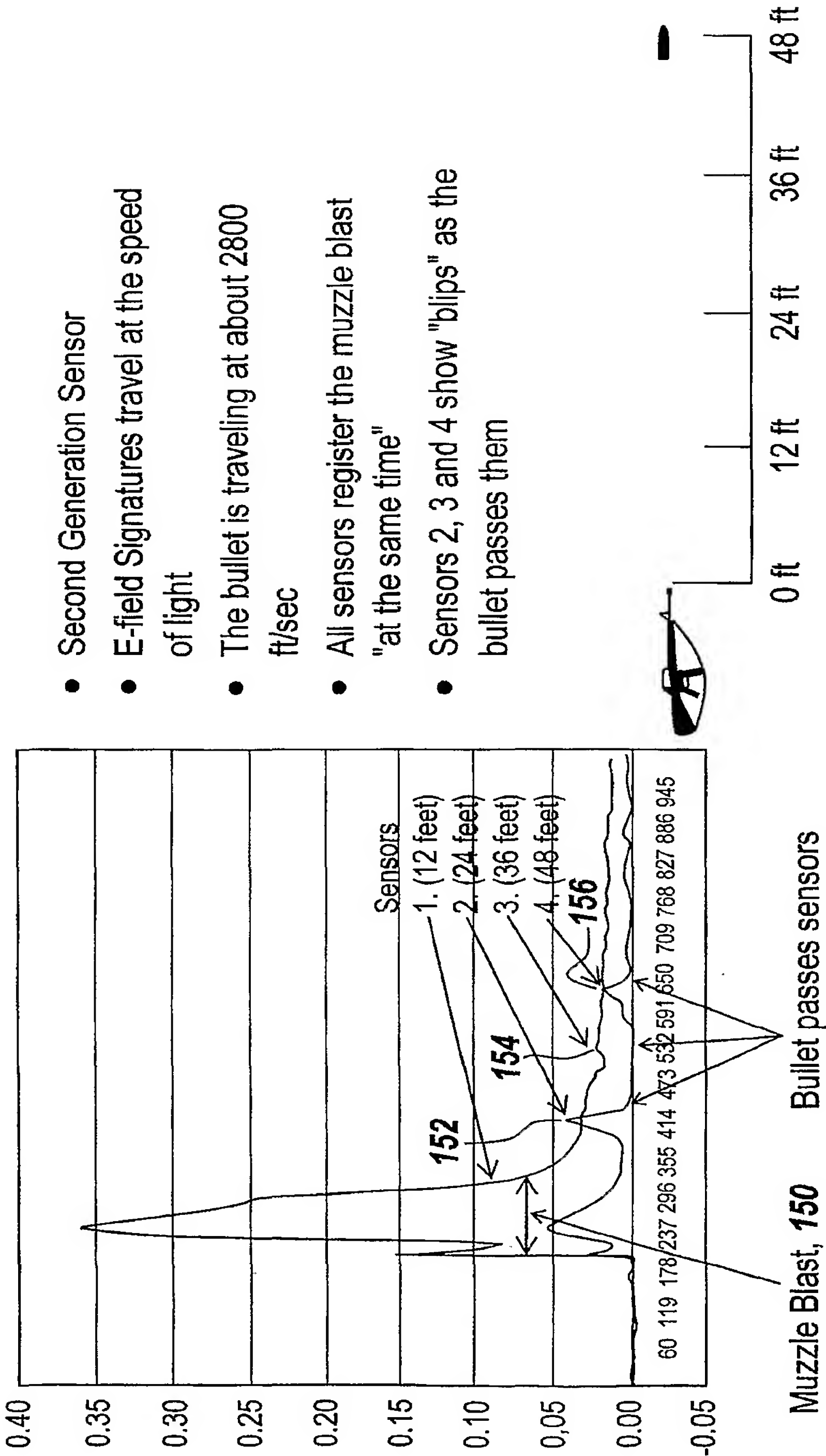


Fig. 12

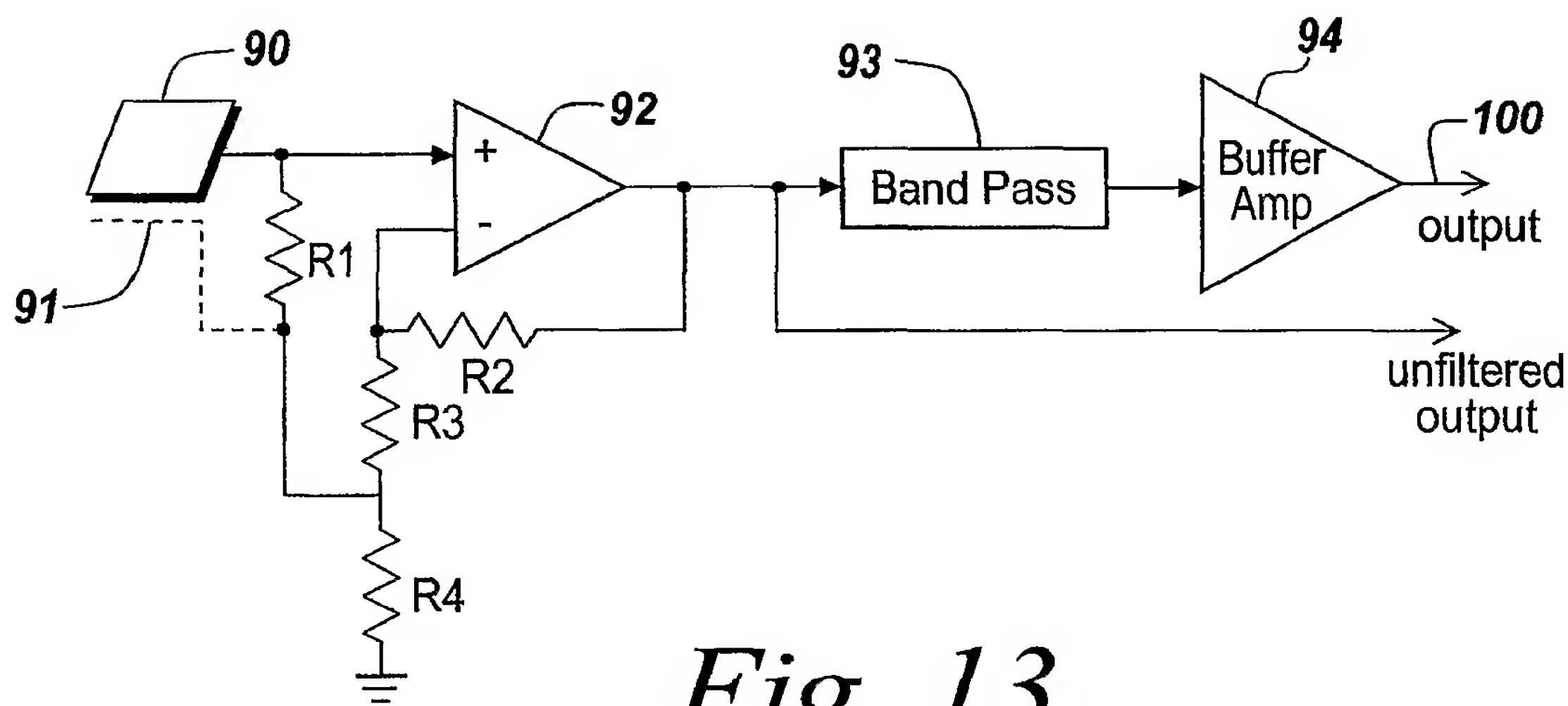


Fig. 13

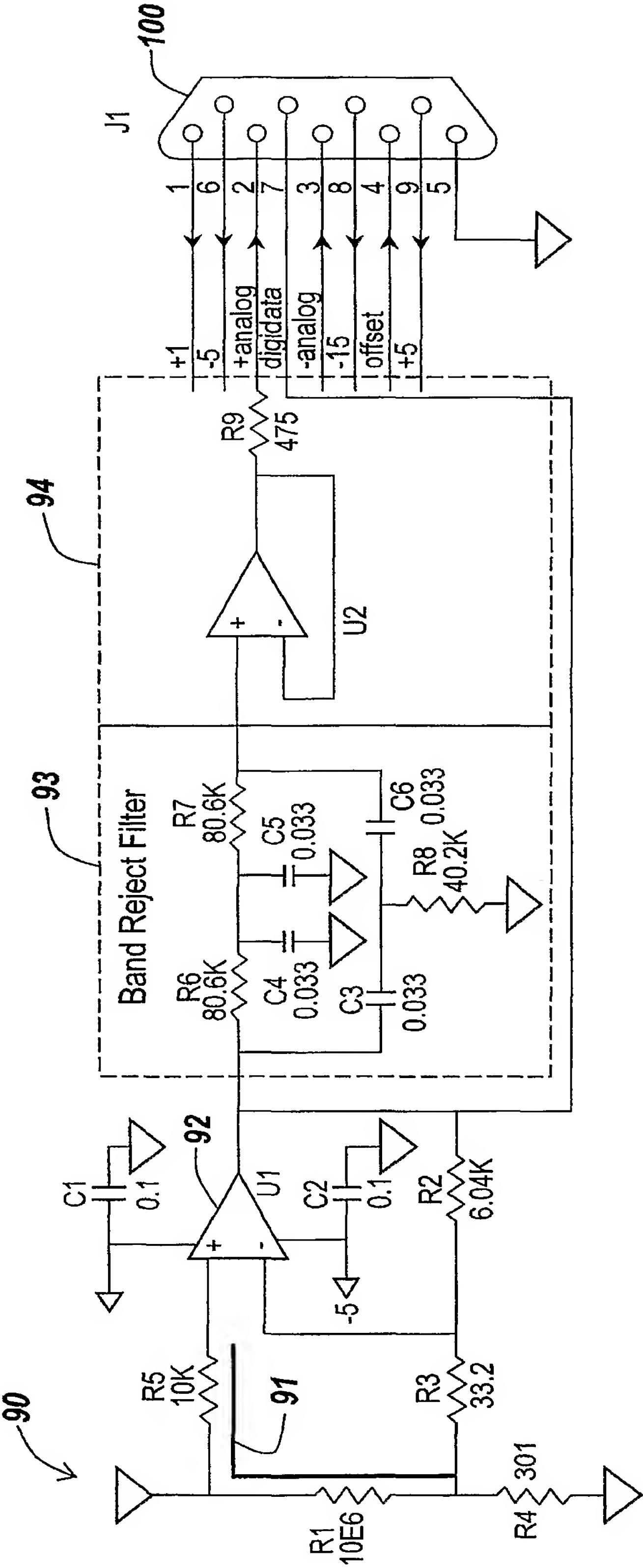


Fig. 14

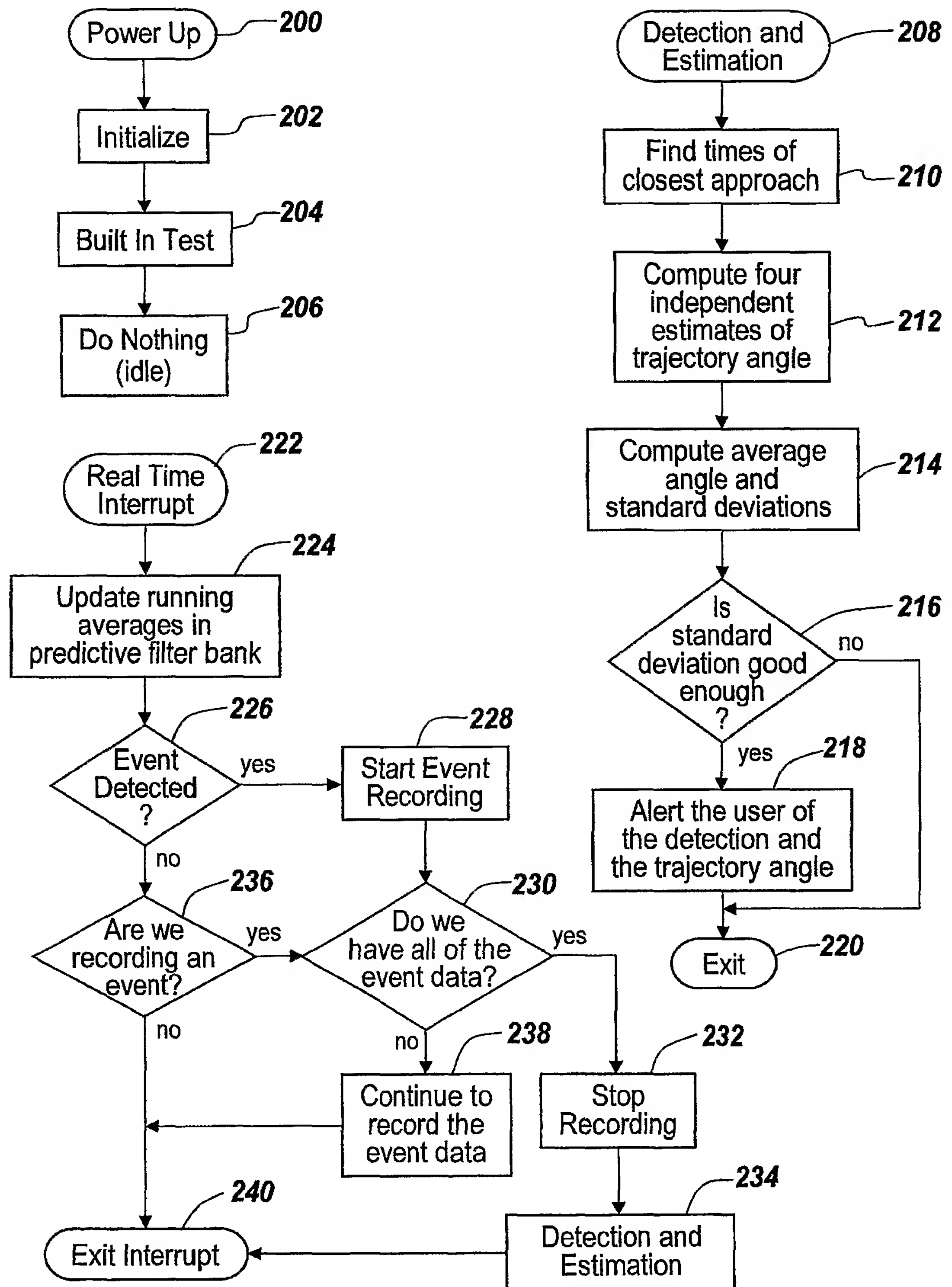


Fig. 15